Discrete Mathematics
Volume 175, Numbers 1–3, 15 October 1997

Contents

Contributions

J. Alpin and R. Mubarakzianow
The bases of weighted graphs 1

R.P. Anstee and A. Sali
Sperner families of bounded VC-dimension 13

J. Berenbom, J. Fendel, G.T. Gilbert and R.L. Hatcher
Sliding piece puzzles with oriented tiles 23

D.M. Berman, A.J. Radcliffe, A.D. Scott, H. Wang and L. Wargo
All trees contain a large induced subgraph having all degrees 1 (mod *k*) 35

P. Biane
Some properties of crossings and partitions 41

M. Bóna
Permutations avoiding certain patterns: The case of length 4 and some generalizations 55

W. Chen and T. Kløve
Disjoint sets of distinct sum sets 69

N.-P. Chiang and H.-L. Fu
On upper bounds for the pseudo-achromatic index 79

T. Endo
The pagenumber of toroidal graphs is at most seven 87

P. Erdős and P. Fishburn
Distinct distances in finite planar sets 97

J.M. Ettinger
Finitely presented partially ordered abelian groups 133

R. Gardner, B. Micale, M. Pennisi and R. Zijlstra
Cyclic and rotational hybrid triple systems 143

M.A.C.M. Gurgel and Y. Wakabayashi
Adjacency of vertices of the complete pre-order polytope 163

T. Kløve
On codes satisfying the double chain condition 173

B. Li and E.C. Milner
The ANTI-order and the fixed point property for caccc posets 197

A. Petrovich
Equations in the theory of *Q*-distributive lattices 211

J.L. Ramírez-Alfonsín
The spread of K_n 221

A.D. Scott
Reconstructing sequences 231

H. Wan
On nearly self-conjugate partitions of a finite set 239

Notes

N. Alon
Packings with large minimum kissing numbers 249

B. Bollobás, N. Hegyvári and G. Jin
On a problem of Erdős and Graham 253

V. Ćepulić
The unique symmetric block design (61, 16, 4) admitting an automorphism of order 15 operating standardly 259

D.C. Isaksen and D.P. Moulton
Randomly planar graphs 265

P. Li
Sequencing the dihedral groups D_{4k} 271

X. Lin, M. Zhu, Z. Yu, C. Zhang and Y. Yang
On distinct distance sets in a graph 277

P.S. Nair
Construction of self-complementary graphs 283

A.D. Scott
On graph decompositions modulo k 289

X.-Y. Su
Some generalizations of Menger's theorem concerning arc-connected digraphs 293

Letter to the Editor 297

Author index to volume 175 299